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EXAMINER

VU, THONG H

ART UNIT PAPER NUMBER

2142

DATE MAILED: 06/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/939,247

Applicant(s)

KAMEL, IBRAHIM M.

Examiner

Thong H. Vu

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9, 11, 12 and 20-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 11, 12, 20-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

1. Claims 1-9,11,20-26 are pending. Claims 10,13-19,27 are cancelled. Claims 1 and 20 have been amended. The Final action is appropriate.

Response to Arguments

2. Applicant's arguments with respect to claims 1-9,11,12,20-26 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-2,7-9,11,20-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng et al [Cheng, 2001/0032273 A1] in view of Humpleman et al [Humpleman, 6,182,094 B1].

3. As per claim 20, Cheng discloses A residential networking architecture comprising:

an electronics device having a file transfer protocol (FTP) client [Cheng, FTP, 007];

a web proxy functional component module (FCM) for maintaining a proxy session with the FTP client, the web proxy FCM further maintaining a file transfer protocol (FTP) session [Cheng, Web proxy FCM and HTTP, FTP, 0007] with a remote server [Cheng, remote client, 0030]

wherein the web proxy FCM is registered with a home network [Cheng, home or office environment and web proxy FCM, 007] including the electronics device, the registration including an attribute list containing a plurality of attributes describing the web proxy FCM in sufficient detail to allow the FTP client to find the web-proxy FCM by specifying one of the attributes in a query [Cheng, based on registration information of a list all devices, mapping devices properties or parameters that match the request, creates a link, 0052];

However Cheng does not explicitly detail
a serial bus network for providing a single communications link between the FTP client and the web proxy FCM and FTP session to a remote server over a dual connection communications link;

In the same endeavor, Humpleman discloses a home networks with a programming tools using HTTP and FTP with proxy [Humpleman, col 6 lines 1-18]; a 1394 serial bus provides a single communication link [Humpleman, col 5 lines 27-38]; and HTML two-way communication or dual communications link [Humpleman, col 7 lines 3-25]

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the single communication link for FTP client at home network and dual communication link between the proxy and remote server as taught by Humpleman into the Cheng's apparatus in order to utilize the communication between home network and remote Internet server. Doing so would provide a program guide for a home network environment [Humpleman, col 2 lines 8-12].

4. As per claim 21 Cheng-Humpleman disclose the web proxy FCM includes a lookup table containing a table of active web agents; a server module for maintaining the lookup table [Cheng, a current window of available programs, col 22 liens 30-46]; and a helper module using the lookup table to generate responses to messages received from the proxy session and the FTP session [Cheng, programming tools, col 15 line 67].

5. As per claim 22 Cheng-Humpleman disclose the web proxy FCM further includes a listening module (i.e.: monitor function), the listening module for receiving messages from the proxy session and the FTP session [Cheng, monitors events, 0045] [Humpleman, discovery process, col 10 lines 34-50].

6. As per claim 23 Cheng-Humpleman disclose the web proxy FCM further includes an identification module for allocating and de-allocating client identifiers [Humpleman, dynamically allocates a unique IP address and logical name pair, col 10 line 35-50].

7. As per claim 24 Cheng-Humpleman disclose the electronics device is a digital video disk machine [Cheng, audio/video, 0005].

8. As per claims 25,26 Cheng-Humpleman disclose the electronics device is a camcorder or a microwave [Humpleman, camcorder, col 13 line 64].

9. As per claim 1, Cheng-Humpleman disclose A method for transferring files between a residential electronics device and a remote server, the method comprising the steps of:

establishing a proxy session between a file transfer protocol (FTP) client of the electronics device [Cheng, home or office environment and web proxy FCM, 007] and a web proxy functional component module (FCM) over a single connection communications link [Humpleman, a single communication link, col 5 lines 27-38];

establish an FTP session between the web proxy FCM and the remote server [Cheng, Web proxy FCM and HTTP, FTP, 0007] over a dual connection communication link [Humpleman, HTML two-way communication or dual communications link, col 7 lines 3-25];

mapping messages between the FTP session and the proxy session such that the messages are transferred between the electronics device and the remote server [Cheng, mapping tool, 0050].

Registering the web proxy with a home network including the electronics device through a registry service using a registration method comprising:

(a) providing one or more methods to access a specified registry system component, wherein the methods construct appropriate messages and send the messages to the registry system component [Cheng, based on registration information of a list all devices, mapping devices properties or parameters that match the request, creates a link, 0052];

(b) creating an attribute list containing a plurality of attributes describing the web proxy in sufficient detail to allow the FTP client to find the web proxy FCM by specifying one of the attributes in a query [Cheng, generate the text using the device parameters, 0052]; and

(c) registering the attribute list with the registry service [Cheng, use HAVI registry services to get the information, 0036].

10. As per claim 2, Cheng-Humpleman disclose defining a proxy messaging structure for the proxy session; converting incoming FTP messages received from the FTP server into outgoing proxy messages having the proxy messaging structure; and converting incoming proxy messages received from the FTP client into outgoing FTP messages, wherein the incoming proxy messages have the proxy messaging structure [Cheng, web proxy FCM, Fig 3]

11. As per claim 7, Cheng-Humpleman disclose defining a dedicated messaging structure for the proxy session such that each FTP message maps to a dedicated control message [Cheng, mapping tools, 0050].

12. As per claim 8, Cheng-Humpleman disclose mapping the FTP message to a dedicated data message such that the dedicated data message contains data content for the FTP message [Cheng, mapping tools, 0050].

13. As per claim 9, Cheng-Humpleman disclose defining a hypertext transfer protocol (HTTP) messaging structure for the proxy session such that each FTP message maps to an HTTP message [Cheng,HTTP,FTP, 0007].

14. As per claim 11, Cheng-Humpleman disclose receiving a network query for the web proxy FCM from the FTP client; and activating a web agent for the FTP client [Cheng, web browser,0024].

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng et al [Cheng, 2001/0032273 A1] in view of Humpleman et al [Humpleman, 6,182,094 B1] and further in view of Daniels-Barnes et al [Daniels-Barnes, 6,571,277 B1].

15. As per claim 3, Cheng-Humpleman disclose a proxy session [Cheng, 0029]

However Cheng-Humpleman does not explicitly detail
defining a shared messaging structure for the proxy session such that each proxy message includes a shared message having a control field and a data field; said control field containing control content for a corresponding FTP message; said data field containing data content for the corresponding FTP message;

In the same endeavor, Daniels-Barnes discloses a plug and play networks using atomic proxy replication wherein the proxies work like a registry of services [Daniels-Barnes, col 1 lines 35-45] with multiple access methods such as HTTP and FTP [Daniels-Barnes, col 7 lines 25-35] a shared message [Daniels-Barnes, col 13 lines 1-5] with header and data [Daniels-Barnes, col 7 lines 15-24].

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the proxy with shared message as taught by Daniels-Barnes into the Cheng-Humpleman apparatus in order to utilize the proxy process. Doing so would improve an method and apparatus for providing proxy services in a distributed data processing system.

16. As per claim 4, Cheng-Humpleman disclose defining the control field as being a message header of the shared message [Daniels-Barnes, col 7 lines 15-24].

17. As per claim 5, Cheng-Humpleman disclose defining the data field as being a message body of the shared message [Daniels-Barnes, col 13 lines 1-5].

18. As per claim 6, Cheng-Humpleman disclose defining the data field of the shared message to be empty when there is no data content for the corresponding FTP message as inherent feature of shared message [Daniels-Barnes, col 13 lines 1-5].

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THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner *Thong Vu*, whose telephone number is (571)-272-3904. The examiner can normally be reached on Monday-Thursday from 6:00AM-3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Andrew Caldwell*, can be reached at (571) 272-3868. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Vu
Primary Examiner
Art Unit 2142

